

What is claimed is:

1. A multi-domain LCD device, comprising;
first and second substrates;
5 a pixel electrode formed on the second substrate;
a first side electrode formed along a periphery of the
pixel electrode;
a second side electrode formed diagonally on the pixel
electrode; and
first and second dielectric frames on the first substrate.
2. The multi-domain LCD device of claim 1, wherein the
first side electrode and the second side electrode are
electrically connected with each other.
3. The multi-domain LCD device of claim 1, further
comprising an insulating film formed on the first and second side
electrodes, the pixel electrode being formed on the insulating
film.
- 20 4. The multi-domain LCD device of claim 1, wherein the
first and second dielectric frames are formed on the first
substrate to correspond to sides of the second side electrode.

5. The multi-domain LCD device of claim 4, wherein the first and second dielectric frames are formed in the same direction as the second side electrode.

5 6. The multi-domain LCD device of claim 1, wherein the pixel electrode has a plurality of open regions above the second side electrode.

09080521062601
7. A multi-domain LCD device, comprising;
first and second substrates;
a first side electrode formed on the second substrate in a matrix arrangement;
a second side electrode connected with the first side electrode and formed in a diagonal direction across at least one of a plurality of regions defined in a matrix arrangement by the first side electrode; and
first and second dielectric frames formed on the first substrate at sides of the second side electrode.

20 8. The multi-domain LCD device of claim 7, wherein the first side electrode has a quadrangle shape of which first and second sides are formed in a first direction and third and fourth sides are formed in a second direction to be connected with the first and second sides.

5

52

b

20

f

14. A multi-domain liquid crystal display device,
comprising:

first and second substrates;

5 data lines on the first substrate;

gate lines on the first substrate and perpendicular to
the data lines, the data and gate lines defining a pixel
region having at least two liquid crystal domains in the pixel
region;

a first side electrode on the first substrate;

a second side electrode on the first substrate at a
boundary between the two liquid crystal domains;

a pixel electrode on the first substrate, the second
side electrode traversing the pixel electrode; and

at least one dielectric structure on the second substrate
parallel to the second side electrode.

15. The multi-domain liquid crystal display device of
claim 14, further comprising slits in the pixel electrode in a
20 region corresponding to the second side electrode.

16. The multi-domain liquid crystal display device of
claim 14, wherein the first side electrode includes parallel
first side electrodes that are parallel to the data lines and

transverse first side electrodes that cross the pixel region and are perpendicular to the data lines.

17. The multi-domain liquid crystal display device of
5 claim 16, wherein the parallel first side electrodes extend from respective ones of the transverse first side electrodes to respective ones of the at least one dielectric structure.

18. The multi-domain liquid crystal display device of
10 claim 14, wherein the second side electrode traverses the pixel electrode diagonally.

19. The multi-domain liquid crystal display device of
15 claim 14, wherein the first side electrode is partially opened.

20. The multi-domain liquid crystal display device of
claim 14, wherein the at least one dielectric structure has bent portions; and

20 wherein the second side electrode is electrically connected to the first side electrode in a region corresponding to the bent portions.

21. The multi-domain liquid crystal display device of

0988653-062501
10
15
20

claim 14, wherein first side electrode partially surrounds the pixel electrode.

22. A method for fabricating a multi-domain LCD device
5 comprising the steps of:

forming a first side electrode on a substrate in a matrix arrangement;

forming a second side electrode to connect both ends with a corner portion of the first side electrode;

forming a pixel electrode having a plurality of open regions above the second side electrode;

forming a first dielectric frame and a second dielectric frame on an opposing substrate; and

forming a liquid crystal layer between the substrates.

23. The method of claim 22, further comprising the step of forming a color filter layer and a common electrode on the opposing substrate.

20 24. The method of claim 22, wherein the first and second dielectric frames are formed on the common electrode.

25. The method of claim 22, wherein the first and second dielectric frames are formed on the opposing substrate

corresponding to both sides of the second side electrode.

26. The method of claim 22, wherein the first and second dielectric frames are formed of any one of photoacrylic, BCB, and

5 black resin.

09888652-062601